

**FULLY CAPABLE MINIMALLY INFLATABLE OBJECT  
MODEL SYSTEM FOR MULTIDIMENSIONAL APPLICATIONS**

Abstract of the Disclosure

A system for displaying data from a multidimensional database to a user is provided. The system includes a system computer and a multidimensional database accessible by the computer, the multidimensional database having objects stored thereon. Object model software executing on the system computer for instantiates and inflates specified objects up-front a first time the database is accessed, and instantiates and inflates objects which are not specified objects on demand as the nonspecified objects are accessed. The object model software employs an object model which includes a dataspace having at least one dataserer. At least one cube object is stored on each dataserer, each cube object having at least one saved view of data. At least one dimension object is also stored on each dataserer, each dimension object having at least one saved subset of elements.